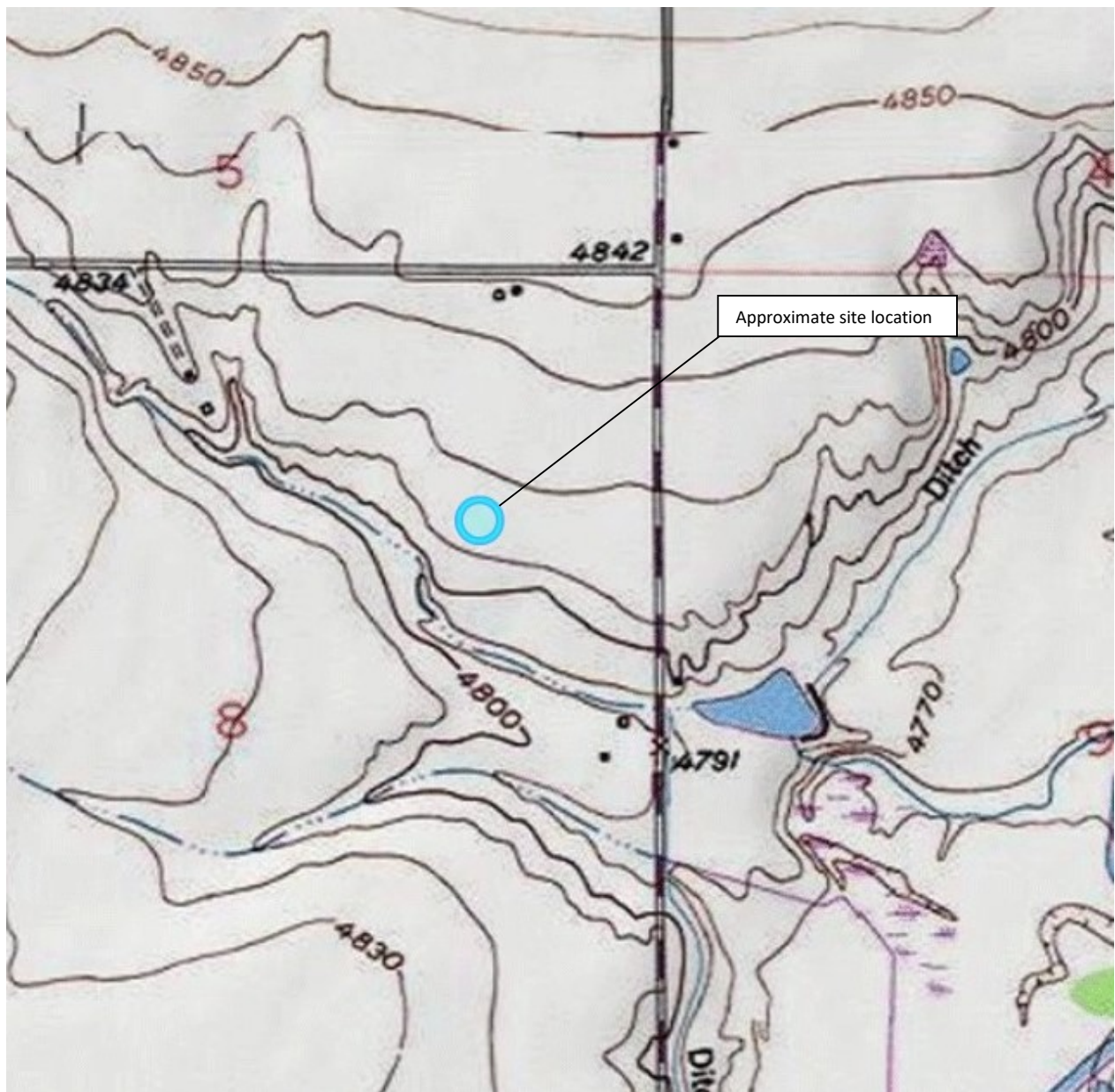


## FIGURES



**Figure 1**

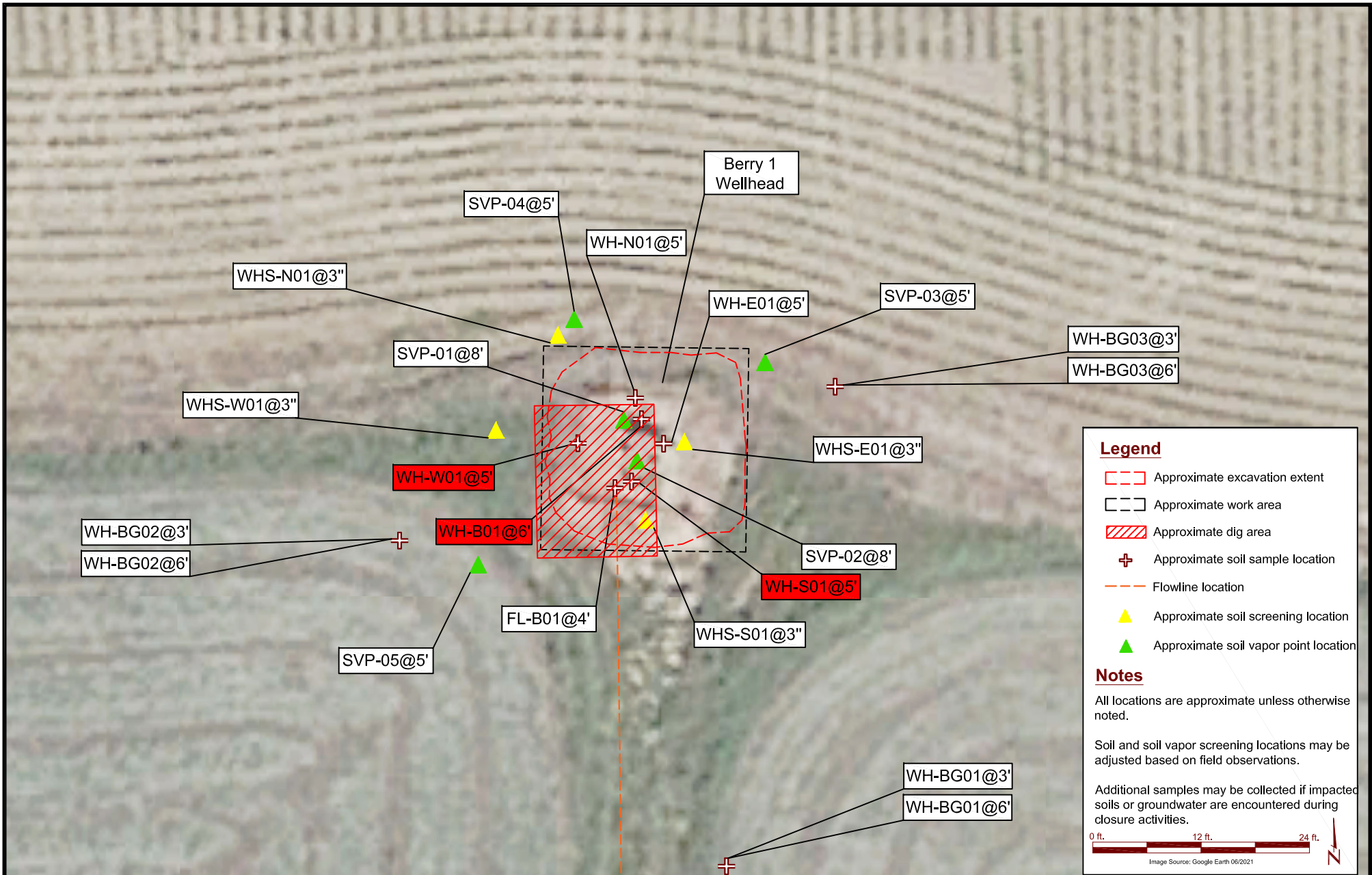
**Site Location Map**  
**Kerr-McGee Oil and Gas Onshore LP**  
**Berry 1**  
 SENE Sec. 8-T3N-R67W  
 Weld County, Colorado



**EAGLE**  
 ENVIRONMENTAL  
 CONSULTING, INC.

Source: USGS 7.5 Minute Topographic  
 Map, Gowanda, CO Quadrangle

Drawn By: AM Date: 10/03/22



DATE: October 18, 2022

DESIGNED BY:  
D. Coloccia

DRAWN BY:  
A. McNall



**EAGLE**  
ENVIRONMENTAL  
CONSULTING, INC.  
8000 W 44th Ave, Wheat Ridge, CO 80033  
Ph: 303-433-0479 F: 303-325-5449

**Kerr-McGee Oil and Gas Onshore LP**  
**Berry 1**  
SENE Sec. 8-T3N-R67W  
Weld County, Colorado

Screening and Sample  
Location Map

Figure  
2

## **TABLES**



**TABLE 1**  
**BERRY 1**  
**SOIL SAMPLE FIELD DATA SUMMARY TABLE**  
**KERR-McGEE OIL AND GAS ONSHORE LP**

Sample Location	Date	Approximate Depth (feet bgs)	PID (ppm-v)	Visual Observation	Olfactory Observation	Latitude, Longitude	Submitted for Lab Analysis (Y/N)
<b>Wellhead Soil Samples</b>							
WH-B01 @ 6'	10/17/22	6	1087	HC Staining	HC Odor	40.2436552085103, -104.908601941397	Y
WH-N01 @ 5'	10/17/22	5	148.1	Slight HC Staining	Slight HC Odor	40.2436595894165, -104.908604844687	Y
WH-S01 @ 5'	10/17/22	5	410.8	Slight HC Staining	Strong HC Odor	40.2436386796058, -104.908606090138	Y
WH-E01 @ 5'	10/17/22	5	34.5	N/S	N/O	40.2436500057285, -104.908589602751	Y
WH-W01 @ 5'	10/17/22	5	50.3	N/S	Slight HC Odor	40.2436474529255, -104.908622719917	Y
WHS-N01 @ 0.25'	10/17/22	0.25	0.7	N/S	N/O	40.2436783606423, -104.908631120634	N
WHS-S01 @ 0.25'	10/17/22	0.25	22.4	N/S	Slight HC Odor	40.243619877933, -104.908594128773	N
WHS-E01 @ 0.25'	10/17/22	0.25	1.6	N/S	N/O	40.2436493863483, -104.908582626545	N
WHS-W01 @ 0.25'	10/17/22	0.25	0.9	N/S	N/O	40.2436484731442, -104.908653607186	N
<b>Flowline Soil Samples</b>							
FL-B01 @ 4'	10/17/22	4	26.7	N/S	N/O	40.2436317677033, -104.908611359715	Y
<b>Wellhead Background Soil Samples</b>							
WH-BG01 @ 3'	10/17/22	3	1.4	N/S	N/O	40.2435130579936, -104.908561851118	Y
WH-BG01 @ 6'	10/17/22	6	1.1	N/S	N/O	40.2435130579936, -104.908561851118	Y
WH-BG02 @ 3'	10/17/22	3	7.5	N/S	N/O	40.243613392022, -104.908690772061	Y
WH-BG02 @ 6'	10/17/22	6	6.1	N/S	N/O	40.243613392022, -104.908690772061	Y
WH-BG03 @ 3'	10/17/22	3	5.2	N/S	N/O	40.2436643807108, -104.908523649339	Y
WH-BG03 @ 6'	10/17/22	6	4.5	N/S	N/O	40.2436643807108, -104.908523649339	Y

bgs = below ground surface

PID = photoionization detector

ppm-v = parts per million by volume

HC = hydrocarbon

N/S = No Staining

N/O = No Odor

**TABLE 2**  
**BERRY 1**  
**SOIL SAMPLE RESULTS SUMMARY TABLE - VOCs**  
**KERR-McGEE OIL AND GAS ONSHORE LP**

Sample Location	Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-ORO (mg/kg)	Naphthalene (mg/kg)	1,2,4-TMB (mg/kg)	1,3,5-TMB (mg/kg)
COGCC standards for soil (mg/kg) <sup>(1)</sup>		0.0026	0.69	0.78	9.9	500			0.0038	0.0081	0.0087
COGCC standards for soil (mg/kg) <sup>(2)</sup>		1.2	490	5.8	58	500			2	30	27
Wellhead Soil Samples											
WH-B01 @ 6'	10/17/22	<0.00200	<0.00200	<0.00200	<0.00200	6.10	516	243	RP	<0.00200	<0.00200
WH-N01 @ 5'	10/17/22	<0.00200	<0.00200	<0.00200	<0.00200	0.474	143	335	RP	<0.00200	<0.00200
WH-S01 @ 5'	10/17/22	<0.00200	<0.00200	<0.00200	<0.00200	3.08	562	418	RP	<0.00200	<0.00200
WH-E01 @ 5'	10/17/22	<0.00200	<0.00200	<0.00200	<0.00200	0.520	<25.0	106	RP	<0.00200	<0.00200
WH-W01 @ 5'	10/17/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	159	517	RP	<0.00200	<0.00200
Flowline Soil Samples											
FL-B01 @ 4'	10/17/22	<0.00200	<0.00200	<0.00200	<0.00200	0.483	<25.0	<100	<0.00380	<0.00200	<0.00200

**Notes:**

<sup>(1)</sup> COGCC Table 915-1: Protection of Groundwater Soil Screening Level Concentrations, effective January 15, 2021

<sup>(2)</sup> COGCC Table 915-1: Residential Soil Screening Level Concentrations, effective January 15, 2021

COGCC = Colorado Oil and Gas Conservation Commission

< = Analytical result is less than the laboratory reporting limit

mg/kg = milligrams per kilogram

Values presented in **BOLD** contained concentrations exceeding COGCC Table 915-1 Cleanup Concentrations

RP = results pending (analyzed with PAHs)

TPH-GRO = Total petroleum hydrocarbons - gasoline range organics

TPH-DRO = Total petroleum hydrocarbons - diesel range organics

TPH-ORO = Total petroleum hydrocarbons - oil range organics

TMB = Trimethylbenzene

**ATTACHMENT A**  
**LABORATORY DATA**



October 18, 2022

Eagle Environmental Consulting, Inc.

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - Berry 1

Project Number - -

Attached are your analytical results for KMG - Berry 1 received by Origins Laboratory, Inc. October 17, 2022. This project is associated with Origins project number Y210345-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.  
303.433.1322  
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645



Eagle Environmental Consulting, Inc.

8000 W 44th Ave

Wheat Ridge CO 80033

Dan Coloccia

Project Number: -

Project: KMG - Berry 1

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-B01@6'	Y210345-01	Soil	October 17, 2022 11:06	10/17/2022 14:23
FL-B01@4'	Y210345-02	Soil	October 17, 2022 11:03	10/17/2022 14:23
WH-N01@5'	Y210345-03	Soil	October 17, 2022 11:06	10/17/2022 14:23
WH-S01@5'	Y210345-04	Soil	October 17, 2022 11:09	10/17/2022 14:23
WH-E01@5'	Y210345-05	Soil	October 17, 2022 11:12	10/17/2022 14:23
WH-W01@5'	Y210345-06	Soil	October 17, 2022 11:15	10/17/2022 14:23

Origins Laboratory, Inc.



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Eagle Environmental Consulting, Inc.

8000 W 44th Ave

Wheat Ridge CO 80033

Dan Coloccia

Project Number: -

Project: KMG - Berry 1

1725 Elk Place | Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

**ORIGINS**  
LABORATORY, INC

www.originslaboratory.com

Client: Eagle Environmental (KMG)

Address: 8000 W 44th Ave

Wheat Ridge, CO 80033

Telephone Number: 303-433-6779

Email Address: dcoloccia@eagle-environment.com

Project Manager: D. Coloccia

Project Name: Berry 1

Project Number: -

Samples Collected By: MJB

Initial

420245

page 1 of 2

Temp Received: 7.1

Date Results Needed

Sample ID/Description	Date Sampled	Time Sampled	# of Containers	Preservative			Matrix			Analysis			Sample Instructions						
				Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater	Soil	Air Summa Canister #	Other	BEI/EL		TEH	FL/AL	SAR	PCION	METALS	Full GC/MS-1
WH - 800061	10/17/12	11:00	2	X				X			X	X	X	X					
FL - 800061		11:03									X	X	X	X					
WH - 800061		11:06																	
WH - 800061		11:09																	
WH - 800061		11:12																	
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WH - 800061		10:15																	

Turnaround Time:  
Same Day ☒ 24 Hr ☐  
48 Hr ☐ 72 Hr ☐  
Standard ☐

Origins Laboratory, Inc.

*Jen Pellegrini*

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Eagle Environmental Consulting, Inc.

8000 W 44th Ave

Wheat Ridge CO 80033

Dan Coloccia

Project Number: -

Project: KMG - Berry 1

Origins Laboratory

F-012207-01-R1

Effective Date: 01/09/12

## Sample Receipt Checklist

Origins Work Order: 4210345

Client: Eagle

Client Project ID: Berry 1

Checklist Completed by: EHS

Shipped Via: HS

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 10/17/12

Airbill #: NA

Matrix(s) Received: (Check all that apply): ☒ Soil/Solid ☐ Water ☐ Other: \_\_\_\_\_

Cooler Number/Temperature: 1 7.1 °C 1 °C 1 °C 1 °C (Describe)

Thermometer ID: T004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C <sup>(1)</sup> ?		<input checked="" type="checkbox"/>		same day
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Were all samples received intact <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked <sup>(1)</sup> ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity) (pH < 2 for samples preserved with HNO <sub>3</sub> ; HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH > 10 for samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH)			<input checked="" type="checkbox"/>	
Additional Comments (if any):				

<sup>(1)</sup> If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to be taken in the additional comments (above) and the case narrative.

[Signature]  
Reviewed by (Project Manager)

10/17/12  
Date/Time Reviewed

Origins Laboratory, Inc.

[Signature]

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.  
8000 W 44th Ave  
Wheat Ridge CO 80033

Dan Coloccia  
Project Number: -  
Project: KMG - Berry 1

WH-B01@6'

10/17/2022 11:06:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

**Origins Laboratory, Inc.**  
**Y210345-01 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	516	25.0	mg/kg	1	B2J1729	ZZZ	10/17/2022	10/18/2022	
Residual Range Organics (C28-C40)	243	100	"	"	"	ZZZ	"	"	

Surrogate: o-Terphenyl 95.4 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2J1731	JSM	10/17/2022	10/17/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	JSM	"	"	U
Gasoline Range Hydrocarbons	6.10	0.200	"	"	"	JSM	"	"	

Surrogate: 1,2-Dichloroethane-d4 89.6 % 70-130 " " "  
Surrogate: Toluene-d8 98.6 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 96.2 % 70-130 " " "

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.  
8000 W 44th Ave  
Wheat Ridge CO 80033

Dan Coloccia  
Project Number: -  
Project: KMG - Berry 1

FL-B01@4'

10/17/2022 11:03:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y210345-02 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2J1729	ZZZ	10/17/2022	10/18/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl 93.0 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2J1731	JSM	10/17/2022	10/17/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Naphthalene	ND	0.00380	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	JSM	"	"	U
Gasoline Range Hydrocarbons	0.483	0.200	"	"	"	JSM	"	"	

Surrogate: 1,2-Dichloroethane-d4 86.9 % 70-130 " " "  
Surrogate: Toluene-d8 98.3 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 86.8 % 70-130 " " "

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Eagle Environmental Consulting, Inc.  
8000 W 44th Ave  
Wheat Ridge CO 80033

Dan Coloccia  
Project Number: -  
Project: KMG - Berry 1

WH-N01@5'  
10/17/2022 11:06:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y210345-03 (Soil)

### DRO/ORO by EPA 8015D

Diesel (C10-C28)	143	25.0	mg/kg	1	B2J1729	ZZZ	10/17/2022	10/18/2022	
Residual Range Organics (C28-C40)	335	100	"	"	"	ZZZ	"	"	

Surrogate: o-Terphenyl 97.9 % 50-150 " " "

### GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2J1731	JSM	10/17/2022	10/17/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	JSM	"	"	U
Gasoline Range Hydrocarbons	0.474	0.200	"	"	"	JSM	"	"	

Surrogate: 1,2-Dichloroethane-d4 91.9 % 70-130 " " "  
Surrogate: Toluene-d8 99.0 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 87.5 % 70-130 " " "

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.  
8000 W 44th Ave  
Wheat Ridge CO 80033

Dan Coloccia  
Project Number: -  
Project: KMG - Berry 1

WH-S01@5'  
10/17/2022 11:09:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y210345-04 (Soil)

### DRO/ORO by EPA 8015D

Diesel (C10-C28)	562	25.0	mg/kg	1	B2J1729	ZZZ	10/17/2022	10/18/2022	
Residual Range Organics (C28-C40)	418	100	"	"	"	ZZZ	"	"	

Surrogate: o-Terphenyl 104 % 50-150 " " "

### GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2J1731	JSM	10/17/2022	10/17/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	JSM	"	"	U
Gasoline Range Hydrocarbons	3.08	0.200	"	"	"	JSM	"	"	

Surrogate: 1,2-Dichloroethane-d4 91.1 % 70-130 " " "  
Surrogate: Toluene-d8 95.6 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 91.5 % 70-130 " " "

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.  
8000 W 44th Ave  
Wheat Ridge CO 80033

Dan Coloccia  
Project Number: -  
Project: KMG - Berry 1

WH-E01@5'  
10/17/2022 11:12:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

Origins Laboratory, Inc.  
Y210345-05 (Soil)

### DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2J1729	ZZZ	10/17/2022	10/18/2022	U
Residual Range Organics (C28-C40)	106	100	"	"	"	ZZZ	"	"	

Surrogate: o-Terphenyl 96.5 % 50-150 " " "

### GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2J1731	JSM	10/17/2022	10/17/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	JSM	"	"	U
Gasoline Range Hydrocarbons	0.520	0.200	"	"	"	JSM	"	"	

Surrogate: 1,2-Dichloroethane-d4 86.1 % 70-130 " " "  
Surrogate: Toluene-d8 96.5 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 87.6 % 70-130 " " "

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.  
8000 W 44th Ave  
Wheat Ridge CO 80033

Dan Coloccia  
Project Number: -  
Project: KMG - Berry 1

WH-W01@5'  
10/17/2022 11:15:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

**Origins Laboratory, Inc.**  
**Y210345-06 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	159	25.0	mg/kg	1	B2J1729	ZZZ	10/17/2022	10/18/2022	
Residual Range Organics (C28-C40)	517	100	"	"	"	ZZZ	"	"	

Surrogate: o-Terphenyl 95.5 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2J1731	JSM	10/17/2022	10/17/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	JSM	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4 90.4 % 70-130 " " "  
Surrogate: Toluene-d8 99.4 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 89.4 % 70-130 " " "

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.

8000 W 44th Ave

Wheat Ridge CO 80033

Dan Coloccia

Project Number: -

Project: KMG - Berry 1

## Extractable Petroleum Hydrocarbons by 8015D - Quality Control

### Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

#### Batch B2J1729 - EPA 3550B

#### Blank (B2J1729-BLK1)

Prepared: 10/17/2022 Analyzed: 10/17/2022

Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	26		"	24.9		105	50-150			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.

8000 W 44th Ave

Wheat Ridge CO 80033

Dan Coloccia

Project Number: -

Project: KMG - Berry 1

## Extractable Petroleum Hydrocarbons by 8015D - Quality Control

### Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B2J1729 - EPA 3550B

#### LCS (B2J1729-BS1)

Prepared: 10/17/2022 Analyzed: 10/17/2022

Diesel (C10-C28)	1190	50.0	mg/kg	1000		119	70-130			
Residual Range Organics (C28-C40)	971	200	"	1000		97.1	70-130			
Surrogate: o-Terphenyl	52		"	49.8		105	50-150			

Origins Laboratory, Inc.



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Jen Pellegrini For Jordan A. Bynon, Project Manager



Eagle Environmental Consulting, Inc.

8000 W 44th Ave

Wheat Ridge CO 80033

Dan Coloccia

Project Number: -

Project: KMG - Berry 1

## Extractable Petroleum Hydrocarbons by 8015D - Quality Control

### Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

#### Batch B2J1729 - EPA 3550B

Matrix Spike (B2J1729-MS1)		Source: Y210341-21			Prepared: 10/17/2022 Analyzed: 10/17/2022					
Diesel (C10-C28)	1180	50.0	mg/kg	1000	ND	118	70-130			
Residual Range Organics (C28-C40)	1020	200	"	1000	50.4	97.3	70-130			
Surrogate: o-Terphenyl	49		"	49.8		99.0	50-150			

Origins Laboratory, Inc.



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Jen Pellegrini For Jordan A. Bynon, Project Manager

Eagle Environmental Consulting, Inc.

8000 W 44th Ave

Wheat Ridge CO 80033

Dan Coloccia

Project Number: -

Project: KMG - Berry 1

## Extractable Petroleum Hydrocarbons by 8015D - Quality Control

### Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

#### Batch B2J1729 - EPA 3550B

Matrix Spike Dup (B2J1729-MSD1)		Source: Y210341-21			Prepared: 10/17/2022 Analyzed: 10/17/2022					
Diesel (C10-C28)	1160	50.0	mg/kg	1000	ND	116	70-130	1.52	35	
Residual Range Organics (C28-C40)	1000	200	"	1000	50.4	95.4	70-130	1.85	35	
Surrogate: o-Terphenyl	49		"	49.8		99.3	50-150			

Origins Laboratory, Inc.



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Jen Pellegrini For Jordan A. Bynon, Project Manager

Eagle Environmental Consulting, Inc.

8000 W 44th Ave

Wheat Ridge CO 80033

Dan Coloccia

Project Number: -

Project: KMG - Berry 1

## Extractable Petroleum Hydrocarbons by 8015D - Quality Control

### Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

#### Batch B2J1731 - EPA 5030 (soil)

#### Blank (B2J1731-BLK1)

Prepared: 10/17/2022 Analyzed: 10/17/2022

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.10		"	0.125		83.5	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		87.6	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
8000 W 44th Ave  
Wheat Ridge CO 80033

Dan Coloccia  
Project Number: -  
Project: KMG - Berry 1

**Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B2J1731 - EPA 5030 (soil)</b>										
<b>LCS (B2J1731-BS1)</b>					Prepared: 10/17/2022 Analyzed: 10/17/2022					
1,2,4-Trimethylbenzene	0.0948	0.00200	mg/kg	0.100		94.8	70-130			
1,3,5-Trimethylbenzene	0.0959	0.00200	"	0.100		95.9	70-130			
Benzene	0.0975	0.00200	"	0.100		97.5	70-130			
Ethylbenzene	0.0992	0.00200	"	0.100		99.2	70-130			
Naphthalene	0.0850	0.00380	"	0.100		85.0	70-130			
Toluene	0.0896	0.00200	"	0.100		89.6	70-130			
o-Xylene	0.0833	0.00200	"	0.100		83.3	70-130			
m,p-Xylene	0.204	0.00400	"	0.200		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.10		"	0.125		80.4	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		95.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.3	70-130			

Origins Laboratory, Inc.



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Eagle Environmental Consulting, Inc.  
8000 W 44th Ave  
Wheat Ridge CO 80033

Dan Coloccia  
Project Number: -  
Project: KMG - Berry 1

**Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B2J1731 - EPA 5030 (soil)</b>										
<b>LCS Dup (B2J1731-BSD1)</b>					Prepared: 10/17/2022 Analyzed: 10/17/2022					
1,2,4-Trimethylbenzene	0.0897	0.00200	mg/kg	0.100		89.7	70-130	5.51	20	
1,3,5-Trimethylbenzene	0.0897	0.00200	"	0.100		89.7	70-130	6.66	20	
Benzene	0.0991	0.00200	"	0.100		99.1	70-130	1.65	20	
Ethylbenzene	0.0953	0.00200	"	0.100		95.3	70-130	3.95	20	
Naphthalene	0.0833	0.00380	"	0.100		83.3	70-130	2.12	20	
Toluene	0.0910	0.00200	"	0.100		91.0	70-130	1.59	20	
o-Xylene	0.0908	0.00200	"	0.100		90.8	70-130	8.62	20	
m,p-Xylene	0.195	0.00400	"	0.200		97.7	70-130	4.39	20	
Surrogate: 1,2-Dichloroethane-d4	0.099		"	0.125		79.4	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		94.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		95.1	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.

8000 W 44th Ave

Wheat Ridge CO 80033

Dan Coloccia

Project Number: -

Project: KMG - Berry 1

### Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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Jen Pellegrini For Jordan A. Bynon, Project Manager



**ATTACHMENT B**  
**FIELD NOTES AND PHOTOGRAPHIC LOG**

## Wellhead Closure Checklist

Additional Attachments (Optional)	Flowline Closure
Well Name	Berry 1
Remediation Project #	
Date	10/17/2022
<b>Wellhead Information</b>	
Client	Occidental Petroleum
Weather	52, Sunny
Field Personnel	MDB
Location	
Latitude	40.24369
Longitude	-104.9086
Accuracy	m
General Condition of Site	Good
USCS Soil Type	Clay Loam / Clay Loam
Estimated Depth to Groundwater	<20'
Hydrocarbon Impacted Soils / Spills	HC impacted soils observed at wellhead
Salt Crusted Soils or Impacted Vegetation	None observed

Soil Samples							
#	Sample Date	Sample Time	Soil Sample ID	PID Readings	Visual	Olfactory	Equipment Name
R1	10/17/2022	10:13 AM	WHS-N01@3"	0.7	N.S	N.O	wellhead
R2	10/17/2022	10:15 AM	WHS-S01@3"	22.4	N.S	Slight HC Odor	wellhead
R3	10/17/2022	10:17 AM	WHS-E01@3"	1.6	N.S	N.O	wellhead
R4	10/17/2022	10:18 AM	WHS-W01@3"	0.9	N.S	N.O	wellhead
R5	10/17/2022	10:19 AM	WH-BG01@3'	1.4	N.S	N.O	wellhead
R6	10/17/2022	10:21 AM	WH-BG01@6'	1.1	N.S	N.O	wellhead
R7	10/17/2022	11:46 AM	WH-B01@6'	1087	HC staining	Strong HC odor	wellhead
R8	10/17/2022	11:49 AM	FL-B01@4'	26.7	N.S	N.O	wellhead
R9	10/17/2022	11:50 AM	WH-N01@5'	148.1	Slight HC staining	slight HC odor	wellhead
R10	10/17/2022	11:52 AM	WH-S01@5'	410.8	slight HC staining	Strong HC odor	wellhead
R11	10/17/2022	11:53 AM	WH-E01@5'	34.5	N.S	N.O	wellhead
R12	10/17/2022	11:54 AM	WH-W01@5'	50.3	N.S	Slight HC odor	wellhead
R13	10/17/2022	11:55 AM	WH-BG02@3'	7.5	N.S	N.O	wellhead
R14	10/17/2022	11:56 AM	WH-BG02@6'	6.1	N.S	N.O	wellhead
R15	10/17/2022	11:57 AM	WH-BG03@3'	5.2	N.S	N.O	wellhead
R16	10/17/2022	11:57 AM	WH-BG03@6'	4.5	N.S	N.O	wellhead

R1 - P1



Looking northwest

R2 - P1



Looking southeast

R3 - P1



Looking west

R5 - P1



Looking northeast





Looking north

Other observations regarding wellheads

#### Summary

Was impacted soil identified?	Yes - less than 10 cubic yards
Total number of soil samples field screened	16
Total number of soil samples collected	16
Highest PID Reading	1087
Total number of soil samples submitted to lab for analysis	12
Was groundwater encountered during the investigation?	No
Measured depth to groundwater	
Was remedial groundwater removal conducted?	
Date Groundwater was encountered	
Commencement date of removal	
Sheen on groundwater?	
Free product observed?	
Volume of groundwater removed prior to sampling	
Volume of groundwater removed post sampling	
Total volume of groundwater removed	
Total number of groundwater samples collected	
Total number of groundwater samples submitted to lab for analysis	

**ATTACHMENT C**  
**STATE NOTIFICATION**

**From:** Ochoa, Ariana

**Sent:** Tuesday, October 18, 2022 12:40 PM

**To:** 'Anderson - DNR Contractor, Laurel' <laurel.anderson@state.co.us>; 'Jason Maxey (jmaxey@weldgov.com)' <jmaxey@weldgov.com>; 'Roy Rudisill (rrudisill@co.weld.co.us)' <rrudisill@co.weld.co.us>

**Cc:** Scranton, Lynna <Lynna\_Scranton@oxy.com>; Mickelson, Erik <Erik\_Mickelson@oxy.com>; Rowley, Taylor <Taylor\_Rowley@oxy.com>; Bugarin, Eve (New Tech Global Rig Personnel LLC) <Eve\_Bugarin@oxy.com>; 'Lytle, Andy' <andy\_lytle@oxy.com>; Hamilton, Gregory <Gregory\_Hamilton@oxy.com>; Jobe, Don <Don\_Jobe@oxy.com>; Grage, Mark <Mark\_Grage@oxy.com>; Brice, Jennifer <Jennifer\_Brice@oxy.com>; Neely, Dewey (Platteville) <Dewey\_Neely2@oxy.com>; Coleman, Julie <Julie\_Coleman@oxy.com>; Riemer, Joseph <Joseph\_Riemer@oxy.com>; Wells, Matt <Matthew\_Wells@oxy.com>; Mathes, Robert <Robert\_Mathes@oxy.com>; Hamlin, Mark G <Mark\_Hamlin@oxy.com>; Marshall, Shayelyn <Shayelyn\_marshall@oxy.com>; Wells, Matt <Matthew\_Wells@oxy.com>

**Subject:** State Reportable Release 24 Hour Notification - BERRY 1

Good afternoon,

We identified a state reportable release following the identification of historically impacted soil of an unknown volume. This release is not an active release. Excavation activities are currently on-going and a Form 19 Release Report is forthcoming. This release did not threaten Waters of the State, Public Water System, residences or occupied structures, livestock, wildlife, air quality, or publicly-maintained roads.

The following have been notified via specified method below:

- Weld County contacted via electronic mail
- Surface Owner notification in process

The Environmental Release/Incident Report Hotline and Colorado Parks and Wildlife were not contacted as this release did not trigger notification requirements per 912.b.(2)B.

Location Details:

- Wellhead Name: BERRY 1
- Location: SENE 8 3N 67W
- Latitude/Longitude: 40.243690/ -104.908600
- Wellhead API #: 05-123-10411

Thank you,

**Ariana Ochoa**

HSE Advisor

---

**Occidental Petroleum Corporation**

t: (970) 515-1216